

PATIENT

Violet O'Kniser

PRESENTING CLINICAL SIGNS

History: Murmur increased in intensity over the past few months. A little lethargic.

SPECIES

Canine

Radiographs revealed mild generalized cardiomegaly (primarily right heart) with chronic bronchial changes.

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

BREED

Chihuahua

SEX

Spayed Female

AGE

13 Years

WEIGHT

9.3 Lbs.

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	5.49	2.72	1.24	0.95	--	--	0.1
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LA 2D short axis Base view (cm)	LVIDd Avg; 2D and m-mode short axis (cm)	LVIDs Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6				
PATIENT	126	1.13	1.50	--	2.44	2.03	--

Cardiac Presentation

INTERPRETED BY

Eric Lindquist, DMV, DABVP, Cert. IVUS

HOSPITAL NAME

Edgewood AC

REFERRING VET

Dr. Leduc

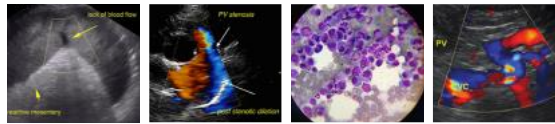
INVOICE NUMBER

13782

DATE

2/4/22

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 different LA measurement methods. Chamber volumes and echogenicity were normal. The cranial and caudal **mitral** valve leaflets presented vegetative thickening consistent with endocardiosis. Doppler indicated measurable insufficiency. The **left ventricle** presented thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted or chamber overload. **Tricuspid** insufficiency noted. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonic** tract assessment revealed normal valve structure, laminar flow, and diameter (approx.1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted. No echographically detectable evidence of infiltrative disease was visible. The cranial **mediastinum and pericardial regions** were free of masses in the visible window.



PATIENT ULTRASONOGRAPHIC FINDINGS

Violet O'Kniser • Stage B-1 valvular disease

SPECIES

Canine

No treatment recommended. The cardiac enlargement is likely owing to chronic bronchial changes and increased pulmonic pressures as no left atrial enlargement is present.

BREED

Chihuahua

The heart is stable without clinical disease. No overt contraindication for anesthesia of brief to moderate duration. I suggest Torbutrol premed, Propofol induction, Isoflor maintenance or similar protocol if anesthesia is desired. Blood pressure recommended if not already performed and target white coat negative systolic pressure of < 160 mmHg. If higher than this ACE-inhibitor is suggested to reach this level. Recheck echocardiogram is recommended in 6 months, earlier if murmur grade increases or clinical signs initiate.

SEX

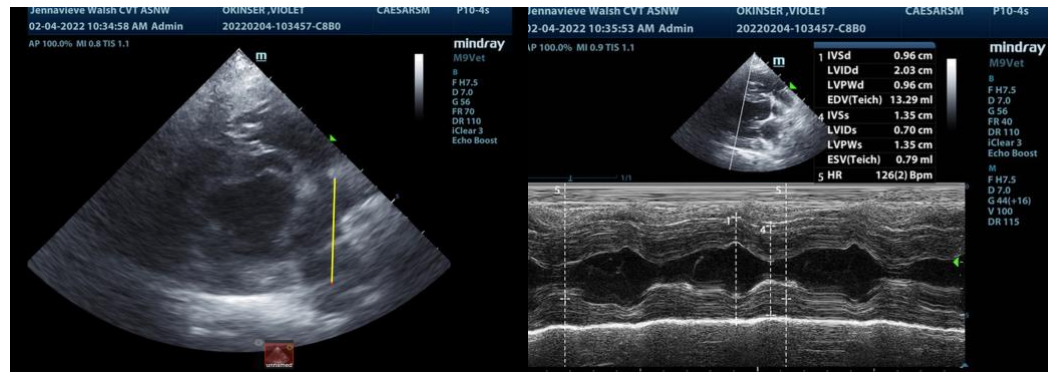
Spayed Female

AGE

13 Years

WEIGHT

9.3 Lbs.



INTERPRETED BY

Eric Lindquist, DMV, DABVP, Cert. IVUSS



HOSPITAL NAME

Edgewood AC

REFERRING VET

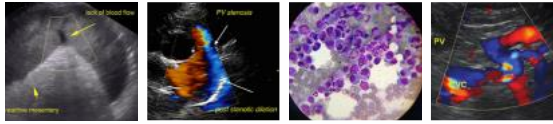
Dr. Leduc

INVOICE NUMBER

13782

DATE

2/4/22



PATIENT
Violet O'Kniser

SPECIES
Canine

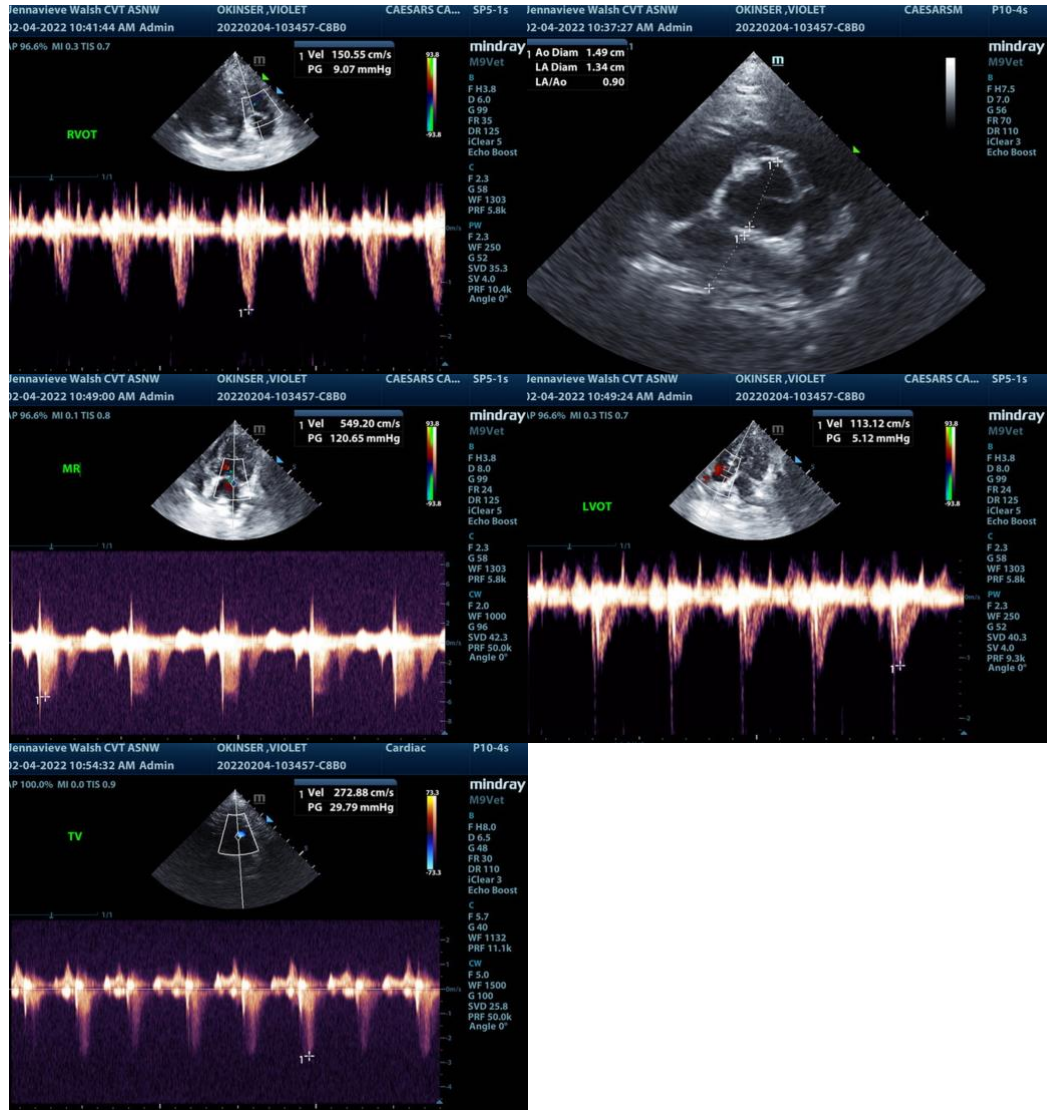
BREED
Chihuahua

SEX
Spayed Female

AGE
13 Years

WEIGHT
9.3 Lbs.

INTERPRETED BY
Eric Lindquist, DMV,
DABVP, Cert. IVUSS



The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

HOSPITAL NAME
Edgewood AC

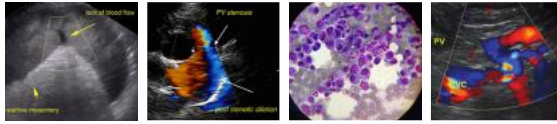
Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

REFERRING VET
Dr. Leduc

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
Eric.Lindquist@SonoPath.com

INVOICE NUMBER
13782

DATE
2/4/22



PATIENT

Violet O'Kniser

SPECIES

Canine

BREED

Chihuahua

SEX

Spayed Female

AGE

13 Years

WEIGHT

9.3 Lbs.

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

HOSPITAL NAME

Edgewood AC

REFERRING VET

Dr. Leduc

INVOICE NUMBER

13782

DATE

2/4/22